



PATENT APPLICATION
0918.0026c

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the PATENT application of

Howard S. FORSTROM et al

Serial No.: 10/028,727

Filed: December 28, 2001

For: Digital Multimedia Watermarking for Source Identification

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to an examination on the merits, please amend the specification as follows:

IN THE SPECIFICATION:

Amend the specification by replacing paragraph(s) as indicated below. Another version of the replacement paragraph(s) of the specification are set forth on pages separate from, but attached to this Amendment, and marked-up to show all the changes relative to the previous version of the paragraph(s).

Delete the paragraph beginning at page 5, lines 17 - 24, and replace with the following paragraph.

--In an audio application, the signature appears as a short duration pattern placed at non-critical bits in the compressed audio signal. The non-critical bits can be predetermined so that the source and destination units both know *a priori* which bits in the signal are the non-critical bits with which the watermark is embedded in the signal. For example, for the MELP vocoder, the non-critical bits can include the least significant bits of the Multi-stage Vector Quantization of LPC coefficients, the Jitter Index bit, the